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On April 19, 2001

TOWNSEND and TOWNSEND and CREW LLP

By: Annette S. Part

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ADELMAN *et al.*

Application No.: 09/254,590

Filed: March 10, 1999

For: SMALL AND INTERMEDIATE
CONDUCTANCE, CALCIUM-
ACTIVATED POTASSIUM
CHANNELS AND USES THEREOF

Examiner: Pak, Michael D.

Art Unit: 1646

PRELIMINARY AMENDMENT AND
RESPONSE TO RESTRICTION
REQUIREMENT

11/18
D.83
4/27/01

Art Unit 1646
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants provide the following response to the Restriction Requirement dated March 19, 2001. Please amend the claims as follows.

IN THE CLAIMS:

~~Please cancel claims 1-55 without prejudice to subsequent revival.~~

~~Please add new claims 56-99 as follows.~~

56. An isolated nucleic acid encoding a monomer of a calcium-activated potassium channel, said monomer

- i. having a calculated molecular weight of between 40 and 80 kDa;
- ii. having a unit conductance of between 2 and 60 pS when the monomer is in

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